



# ELECTRONIC RESOURCE MANAGEMENT IS FLOW TO SYSTEM: IN PRESENT SCENARIO

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## ABSTRACT

The new emerging technologies and to evolution of information explosion it is very difficult to manage information for LIS professionals. Due to development of new technologies and use of digital disruption in library are transforming to virtual library and library professionals are faced various problem in their profession. This paper discussed the electronic resource management and challenges in digital Era.

**KEY WORDS:** Electronic resource management, Information, professionals, Digital, Library.

## INTRODUCTION:

In the fast development of emerging technologies and increases technology pricing it is difficult to purchase information system in the present era and library professionals are facing newly task day to day. Due to rapidly development of technologies it is possible to digitize information in various way of communication such as graphics, different type of images, video clips etc.

Due to electronic revolution, society has shifted to paper less society and to provide electronic environment where information are access in different format all over the world and information are stored in digital form.

Tim Berners-Lee develop the WWW in 1990. The ensuing invention of the Mosaic browser in 1992 and since 1993 beginning of use over the world. Libraries are not escape this revolution, various libraries offered web-based services to users (Hartley, 2003).

The expansion of electronic resource management it is necessary in the prior 2000s as clear that traditional libraries are shifted their resources in electronic form (Wikipedia, 2012). The concept of electronic resource management system origin in 2001-2002, given by Jewell at the University of Washington. The Digital Library Federation and National Information Standard Organization are started work in May 2002 to develop some standard for electronic resource management initiative. The main aim of this initiative was to create a platform for community with a set of standard so that promote the expansion of Electronic resource management system.

Electronic resource management is a part of technical services to vital accountable for the critical evaluation, pricing, selection electronic resources, securing and maintenance of electronic resources. In the present era the librarian are faced challenges to selection and preservation of electronic resources due to development of electronic collection. In this situation, central authority role to play to acquisition of resources. Although there are many vendor are offered various package in the present business models.

In the present scenario number of commercial and voluntary organization as well as some institutions develop their own system that share out different facets of electronic management. Due to development internet disruption technologies, number of vendor involve to provide complete solution on one window.

## Definition of Electronic Resource Management:

Electronic resource is define as a resource which are access via any electronic devices that information refers to full text, collection of images or numerical etc and their management, information delivered on CD-ROM, DVD, on tape and so on.

An electronic resource management system is a set of technologies program that manages the processing, stored and control of resources electronically.

Wikipedia define as, "Electronic resource management (ERM) is practices and techniques used by librarians and library staff to track the selection, acquisition, licensing, access, maintenance, usage, evaluation, retention, and de-selection of library's electronic information resources."

Simply we define to electronic resource management is practices and set of technique to manage electronic information for potential accessible on a window and to get information 24 hours a day, 7 day a week.

## Need of Electronic Resources in Present Scenario:

Internet disruption technologies have led to new electronic age of communication and information sharing over the world. It create a window where not only library users, faculties member, authors, publishers as well as every person of society to reads and access. In the present time various publishers has their own website freely provide to access electronic resources and also encourage readers to give valuable feedback on work. Now number of libraries has been spending substantial portion of their budget to subscribed electronic resources from various publisher and vendor according to their needs. It is clear cut that electronic resources has make it possible libraries to standardized their services in diversity of ways. First, electronic resources provide a platform with strong search and retrieval technique that any information needier access different kind of literature more adequately and efficiently in different format.

## Standard of Electronic Management System:

Electronic resource management system is needed to sustain into an existing information centre as well as academia environment. The use of standard is vital role to play of succeed of libraries and institutional centre. Let us to investigate some important standard related to electronic management system.

SOAP is one of the most important standard for application integration an XML based protocol that provide facilities to exchange of message between applications and also calling facilities from one application to another often hyper transfer protocol (HTTP) or simple mail protocol (SMTP). SOAP running on different operating system like window, Linux to delivered information using Extensible Markup Language. It is a core metadata web standard for intermix application create different kind of platforms. In present digital era a number of vendors provide appropriate interfaces for web services as well as ERM application.

ONIX (Online Information Exchange) is other important electronic management standard for exchange information between two or more communication system. It is based on XML standard metadata formats developed by EDItEUR for the main purpose within the book trade. That metadata standard is presently referred to as serials subscription, e-book (Onix for books) as well as publications licenses (ONIX-PL) which design to solve the licenses problems under academic libraries and other others research and development institution which are usages electronic resources.

## Function of Electronic Resource Management System in Libraries:

The basic function of electronic resource management system is as under:

- **Resource Workflow Integration:** Electronic resource management system helps the library staff to integrate, automatically library resources management and their records management and it's also manage the circulation section.
- **Strong Security Control:** Electronic resource management system is provided strong security control in library, have not access any specific information without any permission and also provide security for users confidential.
- **Flexibility and Version Control:** The electronic resource management system (ERMS) is allowed to library staff to add resources to the system and change the document name according to need or order of supreme authority
- **Compound Resource Management:** Electronic resource management system is not only manage the different kind of document like text form, table

form, pictorial etc, to create a single window but also time saving, reduces library budget and made more easily accessible.

### Electronic Resource Management System in Libraries:

An electronic resource management system provide facilities globally window of the electronic resources. Selection of resources, it is very critical to library and other committees in academic libraries or other libraries. There are several question arises to librarian, the first question arise which resources are select, what's base of selection, what's utility of this resources and second what's types of focus groups like users, faculties members and so on. However presently, due to development of information communication technologies libraries are focusing electronic resources rather than hard materials. The implementation of electronic resource management system is depend on librarian and their staff. The practices of this system in library, firstly a smart librarian decide the following point keep in mind:

- **Evaluation Need:** The first stage to implement of ERM system to identify the actual needs in libraries. If librarian want to use of resource management software, to be sure that investigate accessibility, legal issues, completeness etc and second determine actual and potential needs of their organization.
- **Vendor Selection:** vendor selection is important factor of implement any electronic resource management system. It is very critical aspect for librarian to which vendor are standard or not and also should be attention technical supports are provide by vendor or not.
- **Plan:** After the selection of vendor than to develop a comprehensive plan. The plan should be includes how and when the system will be installed and tested and how to training provide all library staff in libraries and also keep in mind the estimate of cost.
- **Identify the scope:** another important factor to identify the content and their scope. A smart librarian always keep in mind which resources are acquired in library, firstly to identify the content and scope ,are fulfill my users needs or not.
- **Reviewing licensing agreement:** A smart librarian are also keep in mind the critical review of vendor licensing policy than decide the acquired resources.

### Silent Features of Electronic Resource Management System (ERMS):

There are various silent features of ERM systems include:

- It helps the acquisition and management of licensed procedure.
- It has option to integrate into different library modules or not.
- It has also option that may be public interface or separate.
- Providing detail description about content at the package.
- It is also facilities provides to tracking electronic resources.
- Providing detail information about the supplier or provider like vendor, consortia etc.
- It provide access platform which depend on licensed policy
- If any types of problems in system that given facilities to contact for content providers.
- To provide customize services.
- It helps the retrieval of different statistics software.

### Reason to Use of ERM System in Academic Libraries:

Emergence of information technology and simplification of ERM system to improve the library services in digital era. Nowadays all most academic libraries and R&D organizations are focusing to adopting electronic resource management system in libraries. ERM system provide multifaceted platform to access ,download, shares resources to anywhere, link share etc.

There are various reasons to usage the E- resources in libraries. These are as fallows:

- Revolution of information technologies
- To provide multistage platform to access and search
- Increasing day to day price of print materials
- Delay of print materials publication
- Easily unavailability of print resources and due to time consume

- Less searching time
- Lower price of electronic resources
- Easily availability of electronic resources

### Advantage of Electronic Resource management System in Libraries:

Nowadays, there are various advantage of ERMS in libraries as follows:

- Easily available than print resources
- Providing accessibility for 24X7 day a week.
- Its provide more option to search resources
- Many users can access at a time.
- Low cost to maintenance
- It helps the space saving in libraries.
- Its providing multifaceted platform for users, researchers, authors to feed-back on any services, on articles.
- It can be easily monitoring the use of electronic media.
- It can also provide platform to perpetual access facilities.
- Compatibility with other system
- It can also provide facilities to merged several alternative services.

### Disadvantage of Electronic Resource management System in Libraries:

There are various disadvantages of ERMS in libraries as follows:

- Required hardware and software and compatibility issues.
- Required high cost for infrastructure and installation.
- Skilful manpower is required
- Without devices cannot access.
- Copy rights issues concern related resources.
- It is complex to large amount of data on screen at time.

### Challenges Faced ERM System in Libraries:

Rapidly development of information communication technologies libraries and information centers has been shifted to a system and reorganized them to fulfill requirement of users and libraries and information centers are needed to develop a ERM system but presently a number of challenges faced by libraries. These are under as follows:

- Inadequate professionals skills
- Lack of library fund
- Inadequate infrastructure
- Inadequate cooperation among libraries professionals
- Compatibility with other hardware and software

### CONCLUSION:

Rapidly development of information technology academic libraries and information centers have been adopted electronic materials and so libraries are rapidly transformed towards a electronic system. Thus electronic resource management system have significance vital role to play in teaching and dissemination information among users. In the present digital era, it is observed that electronic resources are almost enough available for all disciplines but the infrastructure is not adequate, therefore libraries are faced the problems to fulfill the user's needs. It is clear cut due to emergence of new technologies libraries and information centers are create a global windows to access information without time consume with speedily access of information.

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